MATH 489

INSTRUCTOR: PROFESSOR LEISMAN

Homework Policies

1. Due at the beginning of class – if it is not turned in by 11:05, it will be considered late!
2. You are welcome and encouraged to work together on homework.
3. You must turn in your own work, do not copy answers from others. This is not helpful to you at all.
4. If you work with others, write the following on the top of your assignment: “I worked with ...... on this assignment.”
5. Number your problems appropriately (according to numbering in book or on problem sheet)
6. Please draw a box around your final answer when applicable.
7. I will accept neat hand written homework or typed homework (perhaps LaTeX).
8. Show all work.
9. You don’t need to turn in this sheet.

Homework 6: Due Thursday, October 25

1. Book problems (pg 186): 4.2, 4.7, 4.8
2. Computer Experiment 4.2 on pg 160
3. Computer Experiment 4.3 on pg 170 (Read carefully, do it as requested. When it says plot with another color, white is an okay color. Just make sure when you print it your two “colors” are distinct enough. You do not need to do the “Further Work” part. Code is posted online for generating the Cantor set, you may be interested in modifying it.)
4. Computer Experiment 4.4 on pg 178 (This one may be a little more work as you may need to think more about how to code it. Be sure to start early in case you want to come to office hours. As a hint, when I did this problem, I ended up using matlab functions such as find and isempty. I am sure there are other ways, and may very well be faster ways without these, but if you are stuck, try looking at these functions and see what they do.)
5. Book problems (pg 226): 5.2, 5.10

E-mail address: kleisman@illinois.edu

Mathematics Department, Illinois

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